

Floodplain Map Informational Update for Maine Prepares Conference

Prepared by: Jennifer Curtis, Mapping Coordinator

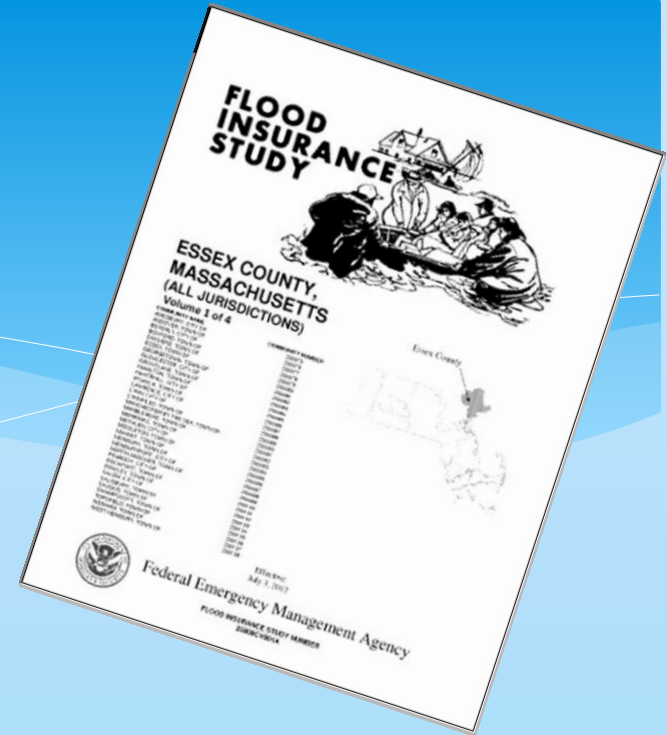


Maine Floodplain Management Program

Department of Agriculture, Conservation and Forestry

April 2015

FIS Information



- Flooding sources
- Flood history
- Stillwater Elevations (10%, 2%, 1%, and 0.2% Annual Chance)
- Base Flood Elevations (BFEs) including wave height and wave runup and setup effects
- FIRMs are developed in conjunction with the FIS to depict much of the information in the FIS, such as the SFHA boundaries

Flood Insurance Rate Map (FIRM)s are used for:

1. Regulatory purposes – when building or improving in flood hazard areas
2. Flood insurance rating purposes
3. Planning purposes

Terms to Review

Base Flood = 1% Annual Chance = 100-year flood

- * Engineers assign statistical probabilities to different size floods. The flood that has a 1% chance of occurring in any given year is the base flood. *It can happen multiple times in one year or not for a couple hundred years.*

Base Flood Elevation

- * The elevation to which floodwater is anticipated to rise during the base flood is the Base Flood Elevation (BFE)

Special Flood Hazard Area

- * Areas covered by flood waters if water rises to the BFE

What do FIRMS show?

- Flood maps show the **Special Flood Hazard Area** (SFHA), also known as the 100 year flood, the 1% annual chance flood, or the base flood. Lots of terms; one meaning.
- Flood zones – V zones (coastal SFHAs subject to wave action $\geq 3\text{ft}$), A zones (inland SFHAs), and B (now X) zones (areas subject to the 500-year flood, or .02% annual chance)
- Base Flood Elevation (BFE), where available

All Maine Coastal County FIRMs are Being Updated

FEMA DIGITAL FLOOD INSURANCE RATE MAP SCHEDULE												
County	STARR Project Manager	County EMA Director	Regional Planning Commission	Work Map Meetings	Preliminary Map	Some Revised Preliminary Maps Issued	Federal Register Publication	Newspaper Notice (2nd)	Appeals period Started	Appeals Period Close	Projected LFD Date	Final Effective Date
DIGITAL FLOOD INSURANCE RATE MAPPING IN PROGRESS												
Town of Fort Kent				N/A	tbd						Hold for Levee Cert.	tbd
Cumberland *	Amol Daxikar	James Budway	Rebecca Shaffner	February 11, 2013	tbd		tbd	tbd	tbd	tbd	tbd	tbd
Hancock	Amol Daxikar	Andrew Sankey	Tom Martin	October 21-22, 2013	April 24, 2014		July 9, 2014	August 14, 2014	August 14, 2014	November 12, 2014	tbd	Unknown
Knox	Brett Holthaus	Ray Sisk	Eric Galant	July 30, 2013	January 31, 2014	June 6, 2014	July 9, 2014	August 7, 2014	August 7, 2014	November 5, 2014	tbd	July 16, 2015
Lincoln	Brian Lee	Tod Hartung	Bob Faunce	August 7, 2013	February 7, 2014	June 6, 2014	July 9, 2014	August 6, 2014	August 6, 2014	November 4, 2014	January 16, 2015	July 16, 2015
Sagadahoc	Brian Lee	Eric Sawyer	Jeff Kobrock	August 6, 2013	January 31, 2014	June 6, 2014	July 9, 2014	August 6, 2014	August 6, 2014	November 4, 2014	January 6, 2015	July 16, 2015
Waldo	Brett Holthaus	Dale Rowley	Eric Galant	July 31, 2013	January 17, 2014	May 7, 2014	July 9, 2014	August 7, 2014	August 7, 2014	November 5, 2014	January 16, 2015	July 6, 2015
Washington	Justin King	Michael Hinerman	Judy East	June 10, 2014	delayed/no date yet		tbd	tbd	tbd	tbd	tbd	tbd
York *	Amol Daxikar	Dave Francouer	Lee Jay Feldman	February 28, 2013	November 5, 2013		tbd	tbd	tbd	tbd	tbd	tbd
EFFECTIVE DIGITAL FLOOD INSURANCE RATE MAPS												
Androscoggin	Justin King											July 8, 2013
Kennebec	Timothy Hillier											June 16, 2011
Oxford	Amol Daxikar											July 7, 2009
WAITING ON FUNDING												
Aroostook				Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Franklin				Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Penobscot				Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Piscataquis				Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown
Somerset				Unknown	Unknown		Unknown	Unknown	Unknown	Unknown	Unknown	Unknown

*A copy of this is in your handouts

Status of flood mapping

- * Waldo County: Effective on July 6, 2015
- * Lincoln & Sagadahoc: Effective July 16, 2015
- * Knox and Hancock: Delayed by appeals that were not able to be resolved quickly enough to go final in 2015
- * Washington: Waiting for release of preliminary maps
- * York and Cumberland: Delayed by appeals in Plymouth County, MA
 - * New 2 foot topography throughout both counties

Updated Mapping Schedule

- York and Cumberland, Hancock & Knox Counties are delayed
- Lincoln, Sagadahoc and Waldo Counties are going final in 2015
- Washington County preliminary maps are in production

Coastal County FIRM Updates

- * New maps are be overlaid on orthoimagery (aerial) maps
- * They will benefit from greatly improved topographical data (from 10 or 20' contours on the old maps to 2' contours in most areas on the new maps)
- * New maps will be available in digital format and can be integrated with GIS systems

Coastal County FIRM Updates

Updates Include:

- ❖ New coastal flood hazard analysis
- ❖ Redelineated Zone AE's in coastal areas and some inland areas
- ❖ Newly modeled Zone A's in areas with 2' topographical contour
- ❖ Flood Risk Products (non-regulatory)

Conversion Factor

- The previous effective study was referenced to the NGVD Datum
- All new studies are referenced to the NAVD 88 (North American Vertical Datum of 1988)
- The conversion factor from NGVD 29 to NAVD 88 is -0.7 feet.

[illegible]

MAP INDEX

LEGEND

Town of...
Community of...
Map Sheet...

NOTE TO USERS

This FIRM index displays the map data for each FIRM panel at the time that the index was printed. Secondary FIRM data may not be distributed to unaffected communities. In subsequent releases, users may determine the current map data for each FIRM panel by visiting the FEMA Map Service Center website at <http://www.fema.gov> or by calling the FEMA Map Information Hotline (FIRM) at 1-877-550-5007.

Communities appearing on the FIRM index may obtain a current copy of the relevant panel as well as the current FIRM index. These may be ordered directly from the Map Service Center at the number listed above.

NOTE TO MAP

Future releases of this FIRM index will only be issued to communities that are listed on FIRM panels being revised. The FIRM index provides revisions valid for FIRM panels dated (date) or earlier. Please refer to the MOST RECENT FIRM PANEL DATE column in the FIRM index for the date of the most recent FIRM panel for each community.

NOTE TO USERS

FEMA maintains information about map features, such as street locations and names, in or near designated flood hazard areas. Requests to receive information or other designated flood hazard areas may be provided to FEMA during the community review period, or the final consultation. Consultation officers will be provided to FEMA during the appeal period. Approved requests for changes will be shown on the final printed FIRM.

NOTE

Designated CRRS Areas are located on panels (001).

LISTING OF COMMUNITIES

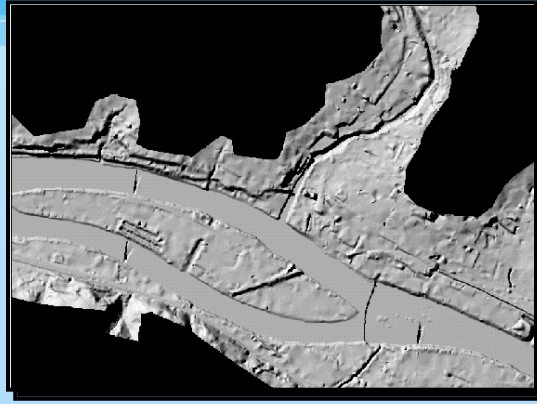
COMMUNITY NAME	COMMUNITY NUMBER	LOCATED ON PANEL(S)	INITIAL FIRM DATE	INITIAL FIRM PANEL(S)	MOST RECENT FIRM PANEL(S)
ARLINGTON TOWN OF	200073	0040 0045 0050 0075 0105 0105	AUGUST 2, 1979	0000004 1000	0000004 1000
CADEN TOWN OF	200074	0075 0080 0085 0090 0095 0100 0105 0110 0115 0120 0125 0130 0135 0140 0145 0150 0155 0160 0165 0170 0175 0180 0185 0190 0195 0200 0205 0210 0215 0220 0225 0230 0235 0240 0245 0250 0255 0260 0265 0270 0275 0280 0285 0290 0295 0300 0305 0310 0315 0320 0325 0330 0335 0340 0345 0350 0355 0360 0365 0370 0375 0380 0385 0390 0395 0400 0405 0410 0415 0420 0425 0430 0435 0440 0445 0450 0455 0460 0465 0470 0475 0480 0485 0490 0495 0500 0505 0510 0515 0520 0525 0530 0535 0540 0545 0550 0555 0560 0565 0570 0575 0580 0585 0590 0595 0600 0605 0610 0615 0620 0625 0630 0635 0640 0645 0650 0655 0660 0665 0670 0675 0680 0685 0690 0695 0700 0705 0710 0715 0720 0725 0730 0735 0740 0745 0750 0755 0760 0765 0770 0775 0780 0785 0790 0795 0800 0805 0810 0815 0820 0825 0830 0835 0840 0845 0850 0855 0860 0865 0870 0875 0880 0885 0890 0895 0900 0905 0910 0915 0920 0925 0930 0935 0940 0945 0950 0955 0960 0965 0970 0975 0980 0985 0990 0995 1000 1005 1010 1015 1020 1025 1030 1035 1040 1045 1050 1055 1060 1065 1070 1075 1080 1085 1090 1095 1100 1105 1110 1115 1120 1125 1130 1135 1140 1145 1150 1155 1160 1165 1170 1175 1180 1185 1190 1195 1200 1205 1210 1215 1220 1225 1230 1235 1240 1245 1250 1255 1260 1265 1270 1275 1280 1285 1290 1295 1300 1305 1310 1315 1320 1325 1330 1335 1340 1345 1350 1355 1360 1365 1370 1375 1380 1385 1390 1395 1400 1405 1410 1415 1420 1425 1430 1435 1440 1445 1450 1455 1460 1465 1470 1475 1480 1485 1490 1495 1500 1505 1510 1515 1520 1525 1530 1535 1540 1545 1550 1555 1560 1565 1570 1575 1580 1585 1590 1595 1600 1605 1610 1615 1620 1625 1630 1635 1640 1645 1650 1655 1660 1665 1670 1675 1680 1685 1690 1695 1700 1705 1710 1715 1720 1725 1730 1735 1740 1745 1750 1755 1760 1765 1770 1775 1780 1785 1790 1795 1800 1805 1810 1815 1820 1825 1830 1835 1840 1845 1850 1855 1860 1865 1870 1875 1880 1885 1890 1895 1900 1905 1910 1915 1920 1925 1930 1935 1940 1945 1950 1955 1960 1965 1970 1975 1980 1985 1990 1995 2000 2005 2010 2015 2020 2025 2030 2035 2040 2045 2050 2055 2060 2065 2070 2075 2080 2085 2090 2095 2100 2105 2110 2115 2120 2125 2130 2135 2140 2145 2150 2155 2160 2165 2170 2175 2180 2185 2190 2195 2200 2205 2210 2215 2220 2225 2230 2235 2240 2245 2250 2255 2260 2265 2270 2275 2280 2285 2290 2295 2300 2305 2310 2315 2320 2325 2330 2335 2340 2345 2350 2355 2360 2365 2370 2375 2380 2385 2390 2395 2400 2405 2410 2415 2420 2425 2430 2435 2440 2445 2450 2455 2460 2465 2470 2475 2480 2485 2490 2495 2500 2505 2510 2515 2520 2525 2530 2535 2540 2545 2550 2555 2560 2565 2570 2575 2580 2585 2590 2595 2600 2605 2610 2615 2620 2625 2630 2635 2640 2645 2650 2655 2660 2665 2670 2675 2680 2685 2690 2695 2700 2705 2710 2715 2720 2725 2730 2735 2740 2745 2750 2755 2760 2765 2770 2775 2780 2785 2790 2795 2800 2805 2810 2815 2820 2825 2830 2835 2840 2845 2850 2855 2860 2865 2870 2875 2880 2885 2890 2895 2900 2905 2910 2915 2920 2925 2930 2935 2940 2945 2950 2955 2960 2965 2970 2975 2980 2985 2990 2995 3000 3005 3010 3015 3020 3025 3030 3035 3040 3045 3050 3055 3060 3065 3070 3075 3080 3085 3090 3095 3100 3105 3110 3115 3120 3125 3130 3135 3140 3145 3150 3155 3160 3165 3170 3175 3180 3185 3190 3195 3200 3205 3210 3215 3220 3225 3230 3235 3240 3245 3250 3255 3260 3265 3270 3275 3280 3285 3290 3295 3300 3305 3310 3315 3320 3325 3330 3335 3340 3345 335			

Digital FIRM (DFIRM)



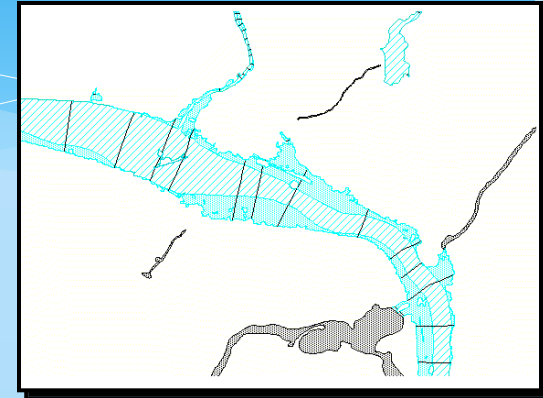
Base

+



Topography

+



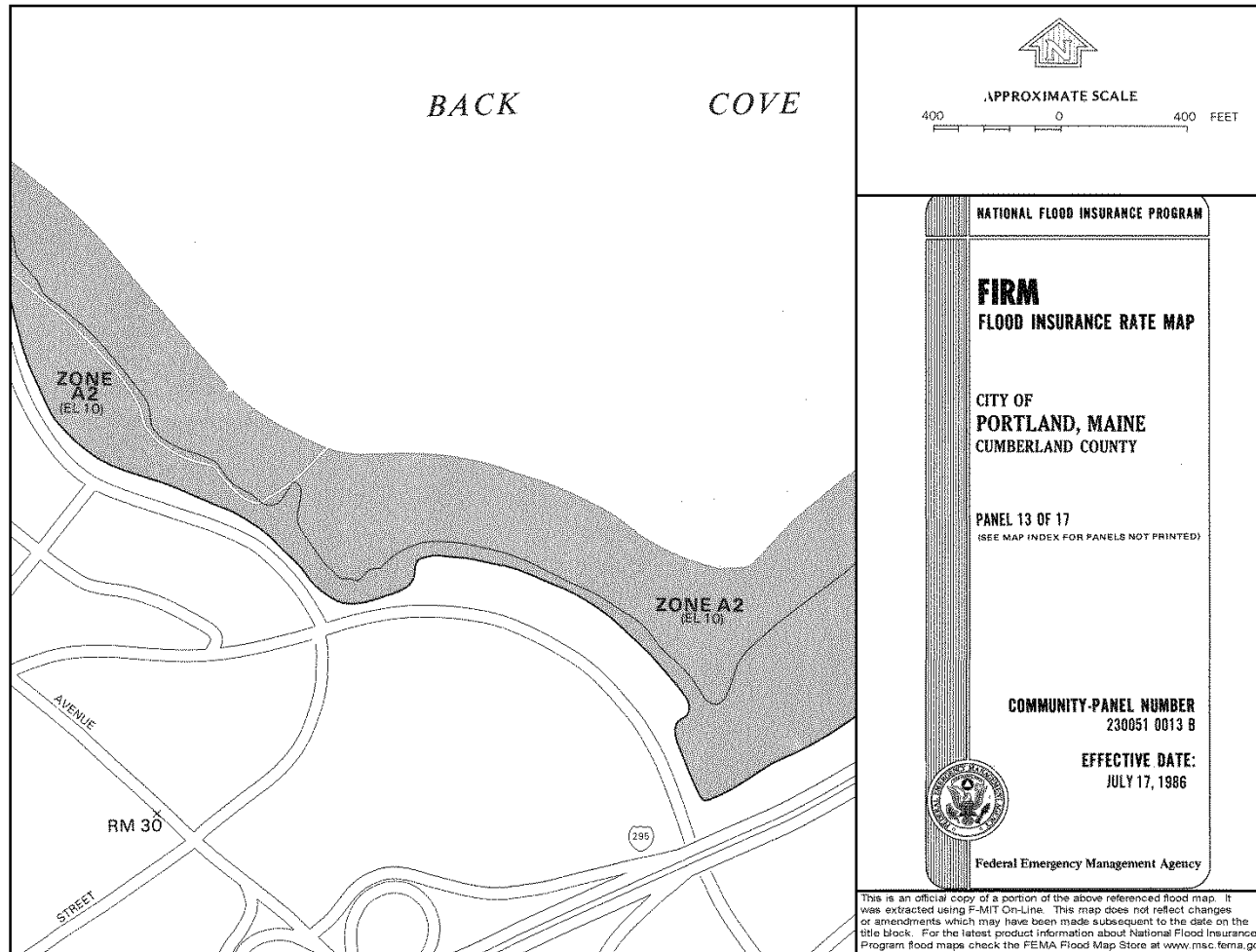
Flood Data

=

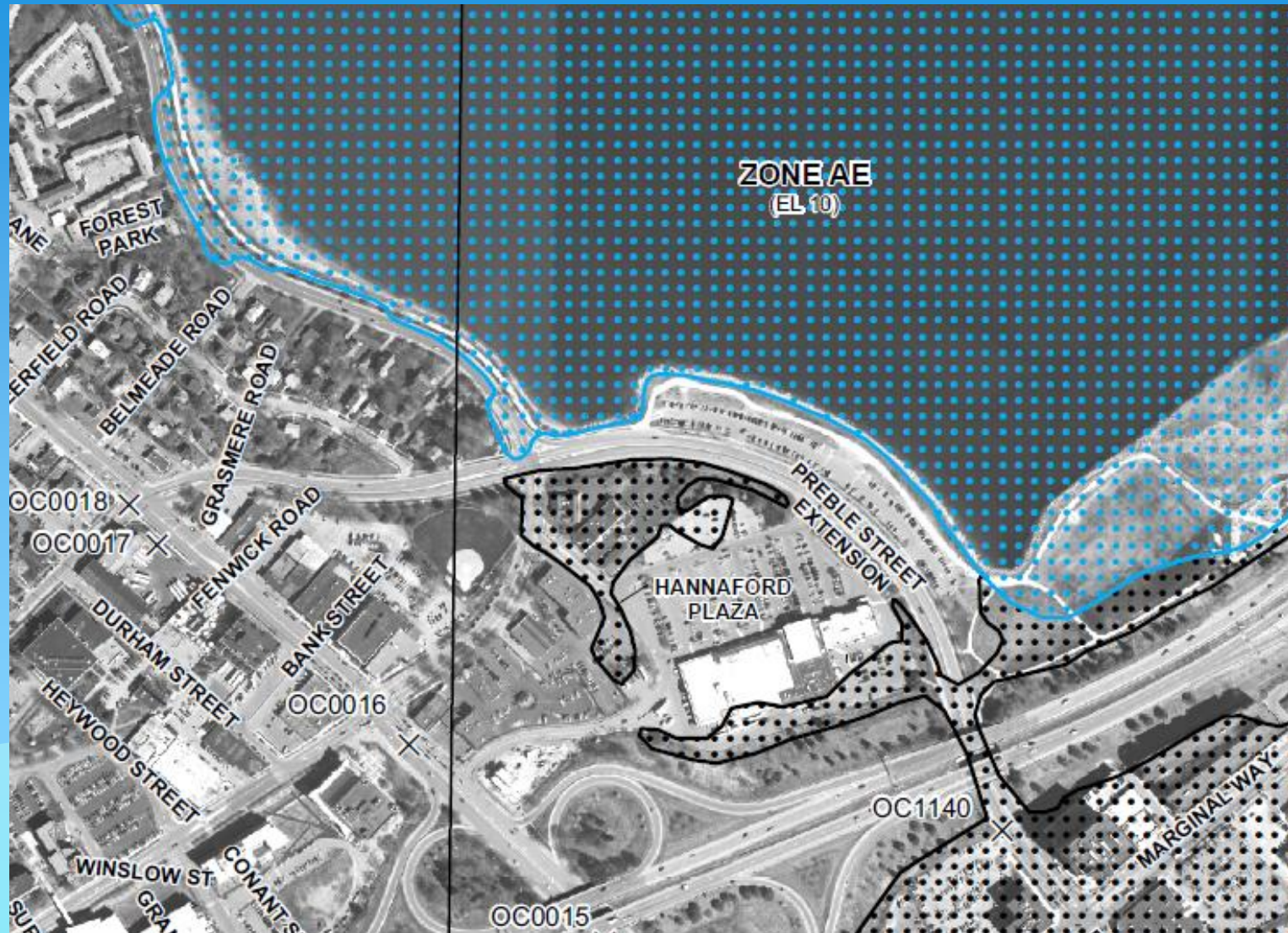


Digital
FIRM

Historic Paper FIRM vs. New Digital FIRM



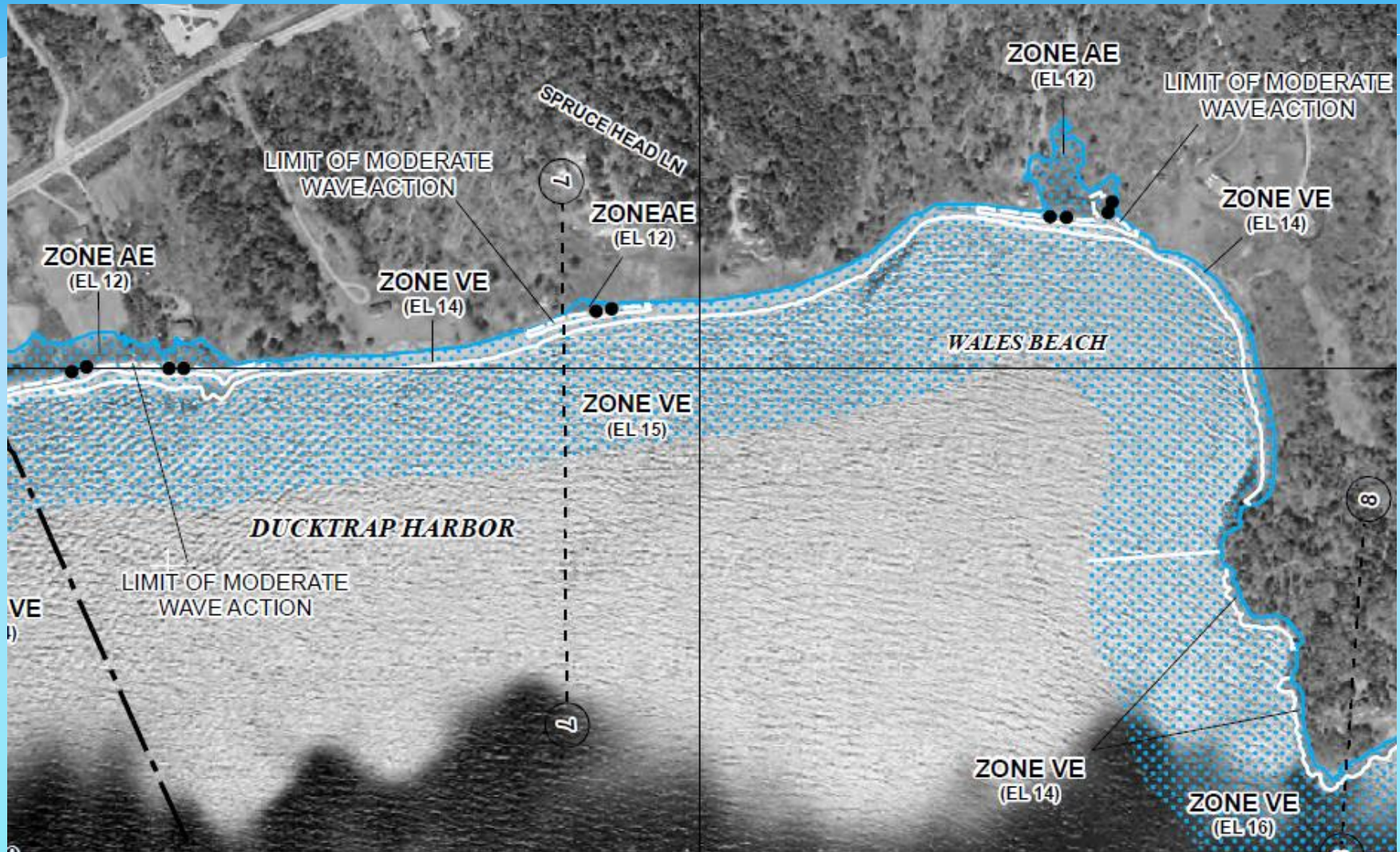
Preliminary map



Limit of Moderate Wave Action

- * LiMWA
 - * Areas subject to wave heights greater than 1.5 feet
 - * Defines Coastal A Zone
 - * Recommendation of building to V zone standards
 - * Only mandatory enforcement if state building code has been adopted

What LIMWA looks like on the Map



Ups and Downs

- There are some changes to the flood zones and base flood elevations
- Because of the improved elevation data, there will be properties newly mapped in, and newly mapped out, even in areas where the base flood elevation remains the same
- The overall upside is that the new maps will much more accurately reflect which properties should be in and out of the SFHA.

Summary of Map Actions

- * Category 1: shown on the new DFIRM panel
- * Category 2: NOT shown on the new DFIRM panel due to scale limitations (revalidated after the new DFIRMs become effective)

SOMA-1

PRELIMINARY SUMMARY OF MAP ACTIONS

Community: ROCKLAND, CITY OF

Community No: 230076

To assist your community in maintaining the Flood Insurance Rate Map (FIRM), we have summarized below the previously issued Letter of Map Change (LOMC) actions (i.e., Letters of Map Revision (LOMRs) and Letters of Map Amendment (LOMAs)) that will be affected by the preparation of the enclosed revised FIRM panel(s).

1. LOMCs Incorporated

The modifications effected by the LOMCs listed below have been reflected on the Preliminary copies of the revised FIRM panels. In addition, these LOMCs will remain in effect until the revised FIRM becomes effective.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
			NO CASES RECORDED		

2. LOMCs Not Incorporated

The modifications effected by the LOMCs listed below have not been reflected on the Preliminary copies of the revised FIRM panels because of scale limitations or because the LOMC issued had determined that the lot(s) or structure(s) involved were outside the Special Flood Hazard Area, as shown on the FIRM. These LOMCs will be revalidated free of charge 1 day after the revised FIRM becomes effective through a single revalidation letter that reaffirms the validity of the previous LOMCs.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
LOMA	09-01-0702A	05/19/2009	TAX MAP 15, LOT A10-1 -- 67 & 69 FRONT STREET	2300760005B	23013C0351D
LOMA	13-01-1365A	03/26/2013	TAX MAP 56, BLOCK A, LOT 1-1 -- 220 PARK STREET	2300760005B	23013C0335D

Summary of Map Actions (continued)

- * Category 3: superseded, and no longer valid, due to revised flood hazards
- * Category 4: property owner must request this be re-determined

SOMA-1

PRELIMINARY SUMMARY OF MAP ACTIONS

Community: CAMDEN, TOWN OF

Community No: 230074

3. LOMCs Superseded

The modifications effected by the LOMCs listed below have not been reflected on the Preliminary copies of the revised FIRM panels because they are being superseded by new detailed flood hazard information or the information available was not sufficient to make a determination. The reason each is being superseded is noted below. These LOMCs will no longer be in effect when the revised FIRM becomes effective.

LOMC	Case No.	Date Issued	Project Identifier	Reason Determination Will be Superseded
LOMA	00-01-0824A	07/20/2000	156 SHERMAN'S POINT ROAD	2
LOMR	02-01-025P	07/17/2002	ATLANTIC OCEAN / CAMDEN HARBOR - COLLINS PROPERTY	4
LOMR	03-01-029P	06/18/2003	ATLANTIC OCEAN / SHERMAN COVE - FECKER PROPERTY	4
LOMA	08-01-0310A	01/22/2008	HARBOR HOUSE, BUILDING B -- 5-8 OCEAN WAY	4
LOMA	12-01-1441A	04/24/2012	TAX MAP 103, LOT 9 -- 223 BEAUCAIRE AVENUE	5

1. Insufficient information available to make a determination.
2. Lowest Adjacent Grade and Lowest Finished Floor are below the proposed Base Flood Elevation.
3. Lowest Ground Elevation is below the proposed Base Flood Elevation.
4. Revised hydrologic and hydraulic analyses.
5. Revised topographic information.

4. LOMCs To Be Redetermined

The LOMCs in Category 2 above will be revalidated through a single revalidation letter that reaffirms the validity of the determination in the previously issued LOMC. For LOMCs issued for multiple lots or structures where the determination for one or more of the lots or structures has changed, the LOMC cannot be revalidated through this administrative process. Therefore, we will review the data previously submitted for the LOMC requests listed below and issue a new determination for the affected properties after the effective date of the revised FIRM.

LOMC	Case No.	Date Issued	Project Identifier	Old Panel	New Panel
			NO CASES RECORDED		

Public meetings

- * Waldo Co: April 29 in Belfast (Hutchinson Center)
- * Lincoln Co: May 11 in Waldoboro (Town Office)
- * Sagadahoc Co: May 11 in Topsham (Town office)
- * 2-4 pm and 6-8 pm
 - * No formal presentations
 - * Open house format
 - * Complete details to follow soon
- * Compliance period/ordinance update

Letters of Map Amendment / Revision

Different Types:

- * LOMA – removal of a structure or legally recorded piece of land (natural ground)
Lowest adjacent grade/lowest lot elevation must be above BFE
- * LOMR-F – removal of a structure that has been elevated on Fill
- * LOMR – revision to flood hazard boundary line, change in base flood elevation or zone
- * CLOMR-F – Conditional LOMR, if built as planned, will qualify for removal.

LOMA/LOMR forms

- * MT-EZ: Land or structure removal/PLS or PE can certify on form or use Elevation Certificate
- * MT-1: LOMA/CLOMA/LOMR-F/CLOMR-F
Multiple structures
- * MT-2: Change boundary line/base flood elevation and/or zone. Must be done by a P.E.
- * E-LOMA
- * On-line LOMC

Letters of Map Amendment / Revision

- * Once granted, lender will generally release the borrower from mandatory flood insurance requirement
- * Eligible for 100% premium refund for current year only
- * Does this mean you are definitely safe?

HECK NO!



How to Look Up A Regulatory Flood Map

Google “FEMA FIRM”

Or go to <https://msc.fema.gov/portal>



The screenshot shows the FEMA Flood Map Service Center (MSC) website. At the top is the FEMA logo and a search bar. Below the header is a banner image with the text "Welcome to FEMA's Flood Map Service Center" overlaid. The banner image shows a map with labels for "574.9", "A", "575", "RUTLAND RD", "MARTIN AVE", "ZONE A", and "RAIN ST". Below the banner, there are two main sections: "Looking for a Flood Map?" and "About Flood Map Service Center". The "Looking for a Flood Map?" section includes a text input field with the placeholder "Enter an address, a place, or longitude/latitude coordinates:", a "Search" button, and a link to "Search All Products". The "About Flood Map Service Center" section contains a paragraph describing the MSC as the official public source for flood hazard information produced in support of the National Flood Insurance Program (NFIP).

FEMA

Welcome to
FEMA's Flood Map Service Center

Looking for a Flood Map? ?

Enter an address, a place, or longitude/latitude coordinates:
Enter an address, a place, or longitude/latitude coordinates
Search


[Search All Products](#)

About Flood Map Service Center

The FEMA Flood Map Service Center (MSC) is the official public source for flood hazard information produced in support of the National Flood Insurance Program (NFIP). Use the MSC to find your official flood map, access a range of other flood hazard products, and take advantage of



Type in the address to get the relevant **effective** map

Select “view” option on left




 **FEMA**


You have selected a location in
WISCASSET,TWN / LINCOLN CO

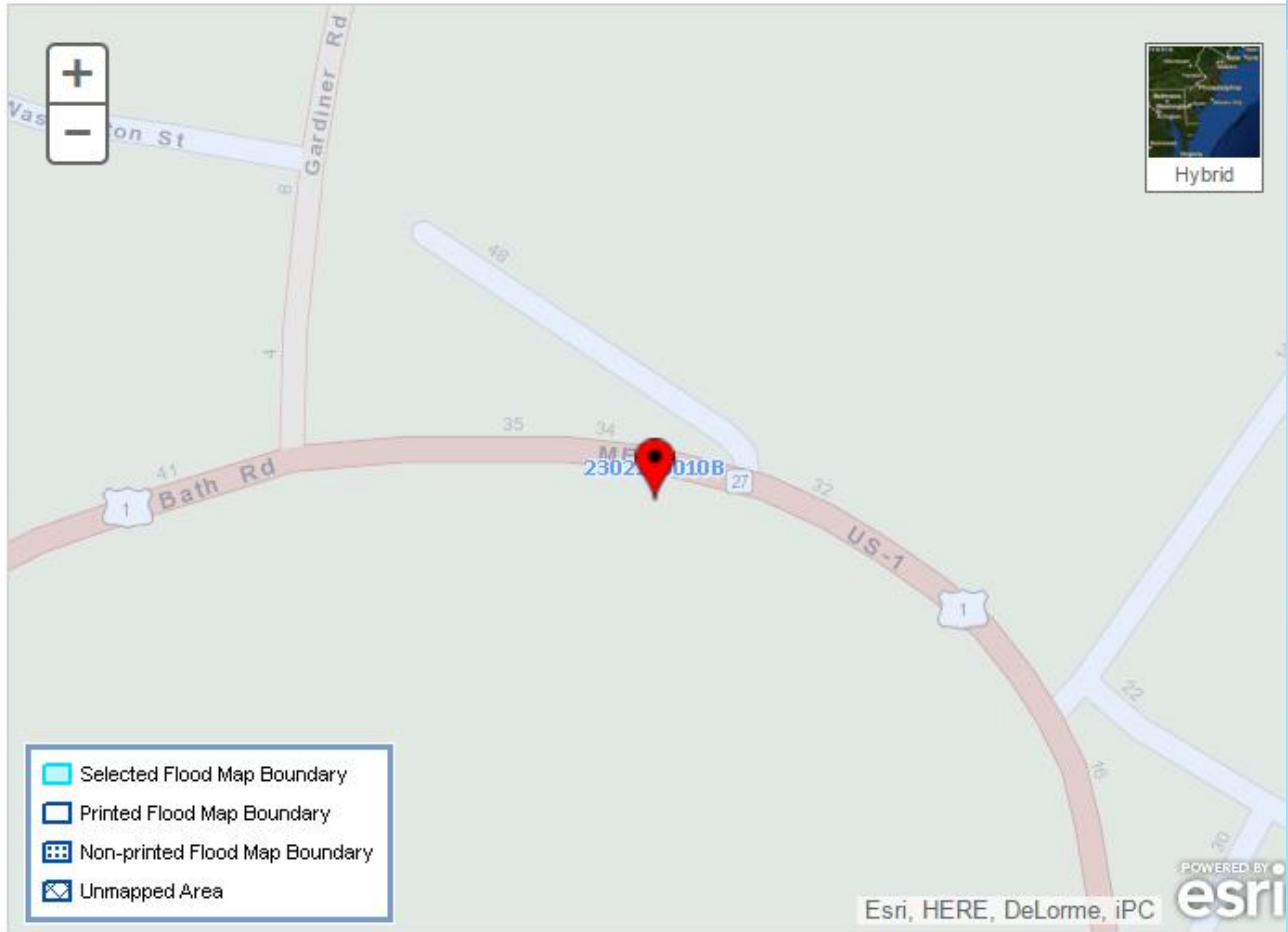
The flood map for the selected area is number **2302230010B**, effective on **04/16/1991** ?

 **VIEW**  **DOWNLOAD**





Letters of Map Change ?

-  Revisions (0)
-  Amendments (0)
-  Revalidations (0)


Get additional products for **WISCASSET,TWN / LINCOLN CO** ? 



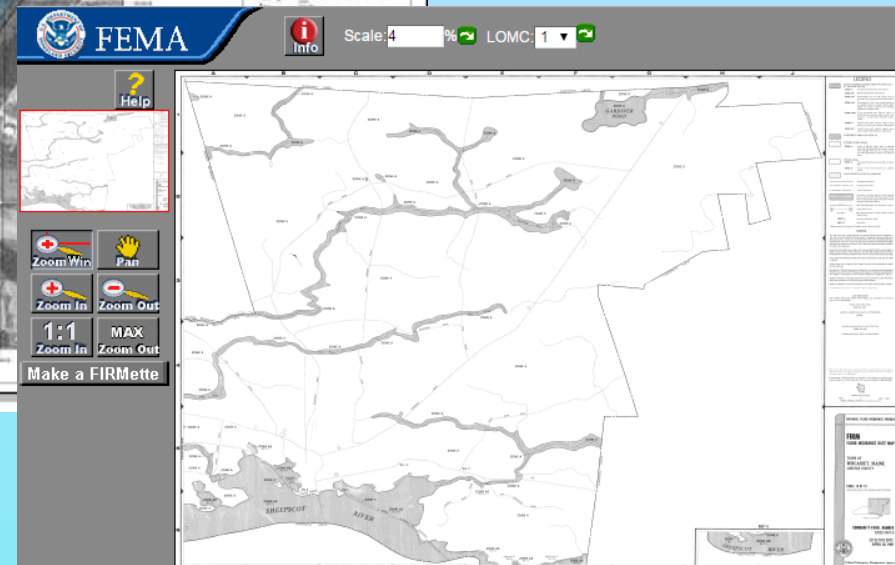
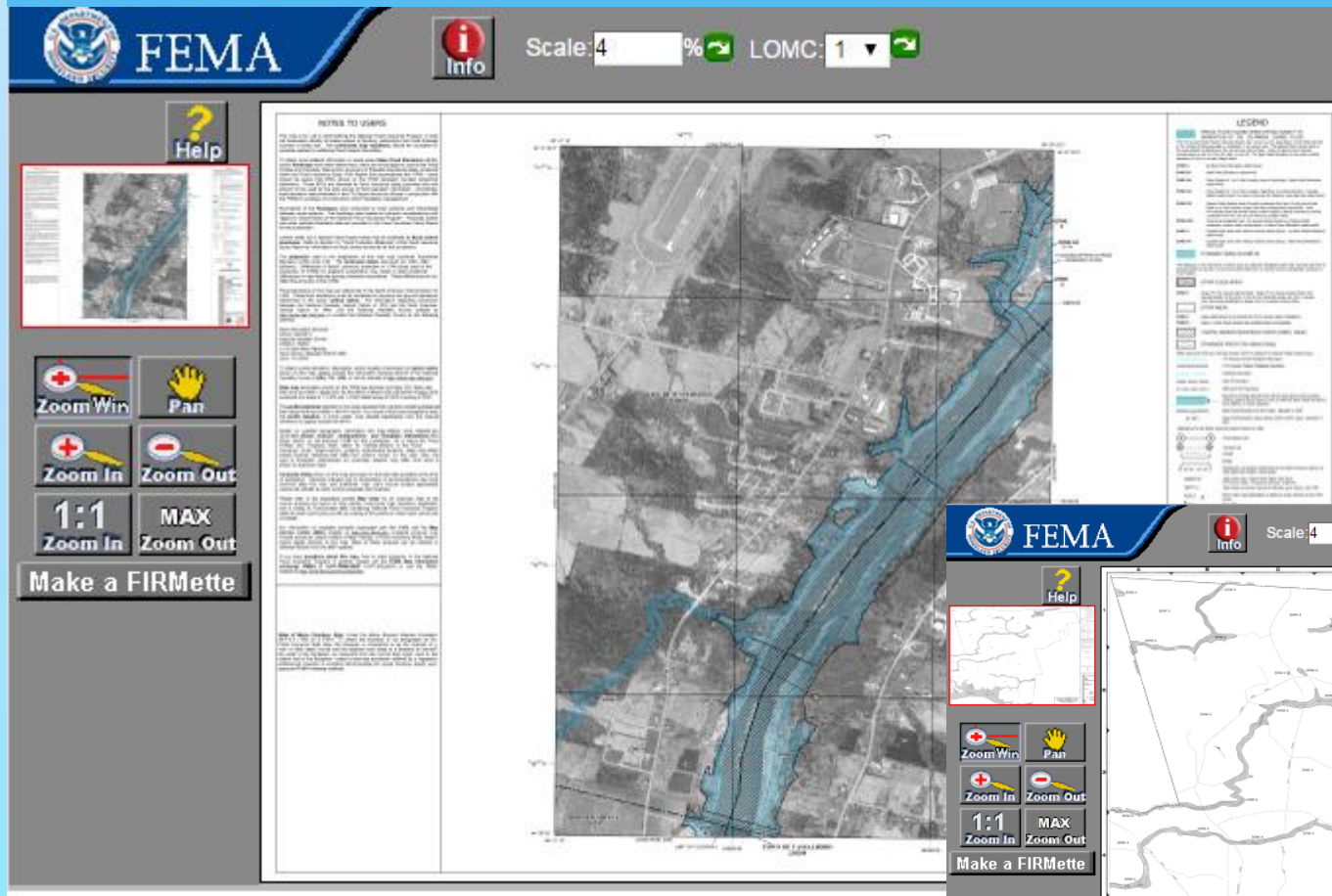
Legend:

-  Selected Flood Map Boundary
-  Printed Flood Map Boundary
-  Non-printed Flood Map Boundary
-  Unmapped Area

Hybrid

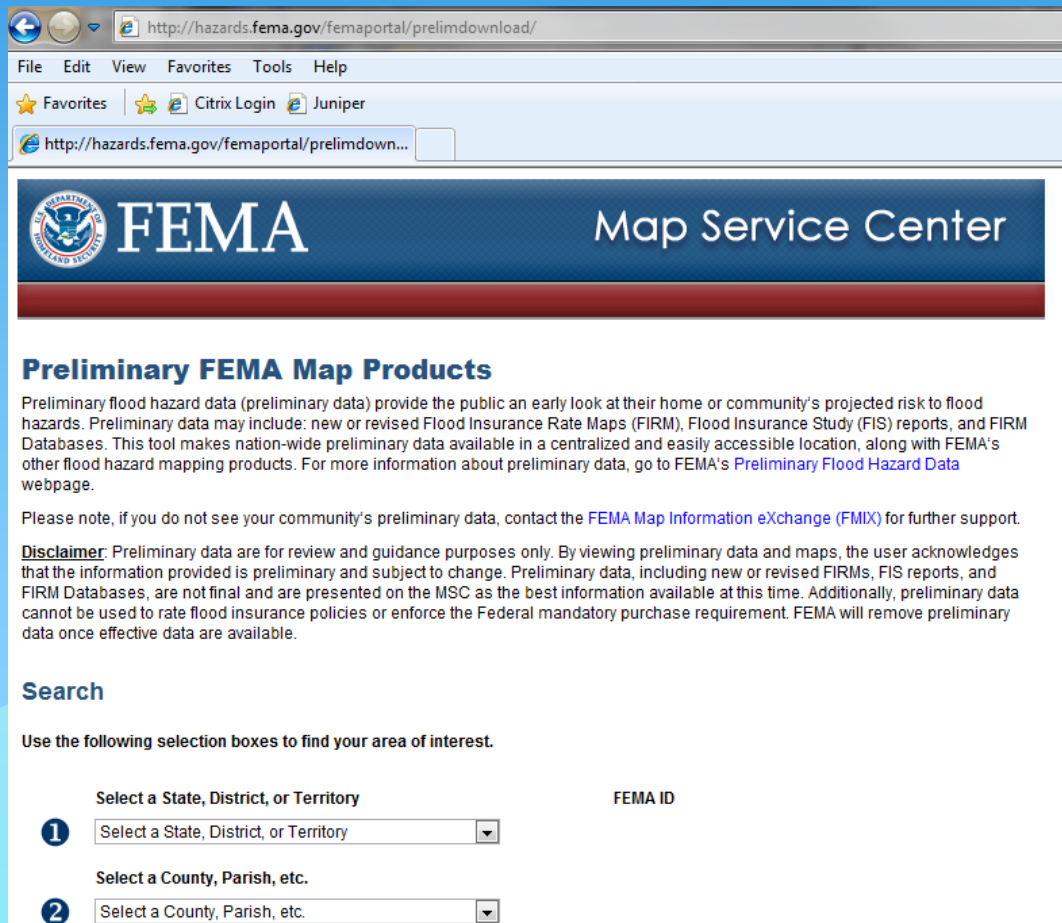
Esri, HERE, DeLorme, iPC 

Use the lefthand toolbar to Make a FIRMette



To Look up Preliminary Map Info

Google “FEMA Preliminary Map” or go to:
www.fema.gov/preliminaryfloodhazarddata



The screenshot shows a web browser window with the URL <http://hazards.fema.gov/femaportal/prelimdownload/>. The browser's address bar and menu bar are visible. The page header features the FEMA logo and the text "Map Service Center". Below the header, the section "Preliminary FEMA Map Products" is displayed, followed by a paragraph of text explaining the purpose of the preliminary data. A "Disclaimer" section is also present. The "Search" section is highlighted, and it contains the instruction: "Use the following selection boxes to find your area of interest." Below this instruction, there are two dropdown menus. The first dropdown menu is labeled "1" and "Select a State, District, or Territory". The second dropdown menu is labeled "2" and "Select a County, Parish, etc.". To the right of these dropdown menus, the text "FEMA ID" is visible.

1. Select a State, District, or Territory

2. Select a County, Parish, etc.

FEMA ID

1. Select “Maine”
2. Select your county
3. On the next page, scroll to the bottom of the list of PDFs to one starting with “IND” for index. Use the Index map to locate the relevant map panel


“Pending” Maps

To access maps that are no longer “preliminary” and are scheduled to go final later this year:

<http://msc.fema.gov/portal/advanceSearch>

Search for Maine, your County, and community (or select the County name-county wide option under the community search pulldown menu – for example: “Waldo – County Wide”)

Pending Maps

 **FEMA**

State
MAINE ▼

County
WALDO COUNTY ▼

Community
WALDO COUNTY-WIDE ▼

Jurisdiction Name or FEMA ID

(Ex. Fairfax County-wide or 51059C)

Product ID

(Ex. Panel Number, LOMC Case Number)

Map Service Center Posting Date Range (optional) ?

Date From






Date To

Search

Clear All Fields

Search Results for WALDO COUNTY-WIDE

Click [subscribe](#) to receive email notifications when products are updated.

-  Effective Products (1) ?
-  Preliminary Products (0) ?
-  Pending Product (118) ?
-  Historic Products (0) ?
-  Flood Risk Products (4) ?

State Web Mapping Resource

Floodplain Mapping Resources

www.maine.gov/dacf/flood/mapping.shtml

Apps Citrix Login Juniper Imported From IE USGS Flood Inundati... CNMS - Coordinate... Food Self-Sufficienc... States of Change | C... Word

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Flood Information for
Featured links

Maine Floodplain Management Program

Mapping Resources

Floodplain Maps Online

- View the [Maine Flood Hazard Map](#) application. This interactive web map contains the following flood hazard layers:
 - National Flood Hazard Layers (NFHL): This layer contains the most current digital FIRM maps accepted and approved by FEMA.
 - Q3 Flood Maps: This is a layer of digitized flood zones from the old, approximate data. It should be used with confirmation from the official, printed FIRM maps.